



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63128

Entry Year 2026

Acreage: 2,127

County Wexford

Management Area: Kalkaska Sandy Moraines

Stand Examiner: GraceAnna Cooper

Legal Description:

T24N R10W, Sec. 6; T24N R11W, Sec. 1-4

Identified Planning Goals:

Vegetation management in the Manistee River Valley Management Area (MA) will provide timber products; maintain or enhance wildlife habitat; protect areas of unique character including the Manistee River and its tributaries, a designated natural river; threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period includes continuing aspen management to maintain early successional habitat for hunting and other wildlife-related recreational opportunities; increasing regeneration of oak; focusing on balancing the red pine age class structure through final harvests and re-planting; and on improving red pine quality through partial harvests. Expected trends within this 10-year planning period are increased recreational pressure, especially on the established trails and along the Manistee River and its tributaries; an increased wildland/urban interface and a need to restore barrens communities through prescribed fire; and invasive plant control.

Soil and topography:

The western half of the Compartment is mostly flat, while the eastern half consists of a series of rolling hills, somewhat steep in places, and valleys. Soil series' found in this area includes Kalkaska, Rubicon, Hodenpyl-Karlin, Emmet, Loxley, Croswell & Tawas.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

The lands surrounding the Compartment are a mix of state and private ownership. Private lands are a mix of abandoned agriculture fields and forests. Lands identified in the PMSF Plan as desirable for acquisition include 70 acres in the W1/2SW of Sec.6; 80 acres in the W1/2SW of Sec. 1; 40 acres in the SESE of Sec. 2. Fragmentation and development of the surrounding lands is a concern as there is increasing development pressure in this area.

Unique Natural Features:

Anderson Creek flows south through this Compartment. This section has seen extensive beaver activity in the past. Potential for red-shouldered hawk, goshawk and eastern box turtle. Potential for wood turtle, great blue heron rookery, massasauga and Blanding's turtle. Potential for pine tree cricket in white pine stands.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Anderson Creek falls within the boundary of the compartment and should be protected from disturbance as would be expected with any similar water feature. Best Management Practices will be followed.

Watershed and Fisheries Considerations:

Anderson Creek, a Designated Trout Stream, flows through Compartment 128. Anderson Creek has resident populations of brown, brook, and rainbow trout. No timber treatments are proposed near Anderson Creek for this review.

Wildlife Habitat Considerations:

This compartment contains one rye wildlife opening. This opening should be buffered from treatments in adjacent stands, and any adjacent treatments should prevent expansion of autumn olive if present. Greater emphasis should be placed on promoting larger stands of older age and mixed age classes to provide diversity in vertical and horizontal structure in this compartment. Particularly given the potential for northern goshawk. Generally, wildlife cover type goals are no net loss in aspen or oak acres, to protect mast bearing shrubs, to create brush piles adjacent to wetlands, to preferably leave retention in the form of islands or corridors, and to provide coarse woody debris. Featured species of special interest are deer, ruffed grouse, woodcock, golden-winged warbler, snowshoe hare and pileated woodpecker. (E. Victory 7/18/14)

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and an end moraine of coarse-textured till. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have an economic use. A gravel pit is located in Section 3 and potential is good.

This area lies south of the prolific Silurian Niagaran reef trend. There does not appear to be any potential for Niagaran reefs in this area. This area is not currently leased for oil and gas exploration, but it has been nominated for the June 2004

Vehicle Access:

A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. Also indicated are forest roads and trails under the jurisdiction of the DNR that are proposed for abandonment. These roads were determined to be in excess of the access needs in the area, are a threat to the resources, or are a concern environmentally.

Survey Needs:

Existing surveys are sufficient to meet current land management needs.

Recreational Facilities and Opportunities:

There are no developed recreational facilities within this compartment. There are numerous opportunities for dispersed camping, hunting, and coldwater fishing in Anderson Creek. (T.M.N. 3/14)

Fire Protection:

This compartment has varying areas of fire potential. The areas of red pine provide some potential for larger fire growth. There is some urban interface areas on the south side of the compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

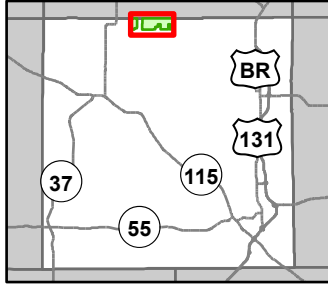
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

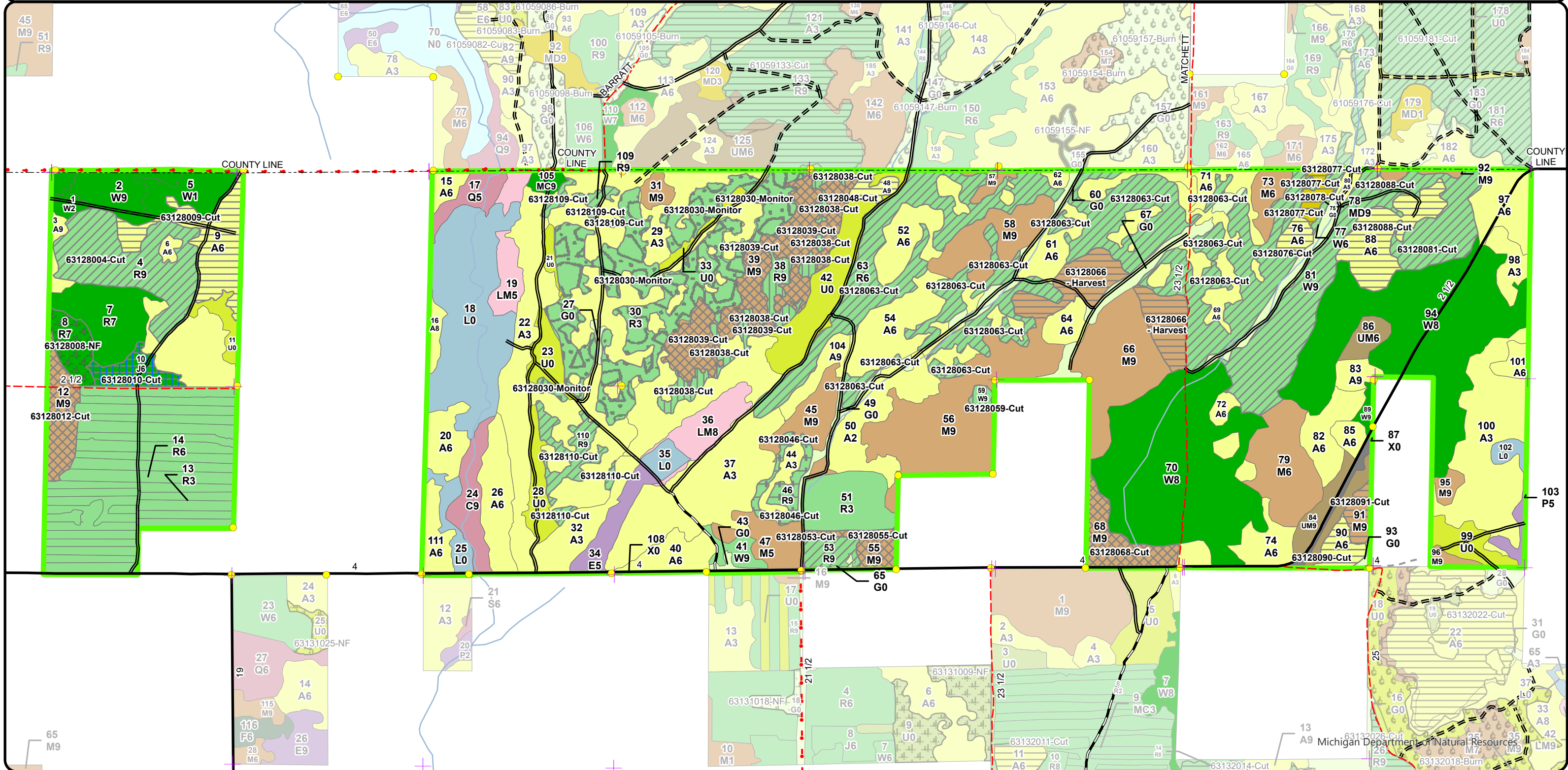
Cover Type & Treatments Map

Compartment: 63128
 T24N, R11W, Sec: 1-4
 County: Wexford
 Unit: Cadillac
 Mgmt Area: Kalkaska Sandy Moraines
 YOE: 2026
 Acres: 2127.2 GIS Calculated
 Examiner: GraceAnna Cooper
 Map Revised: 7/22/2024
 Map Phase: Web Post

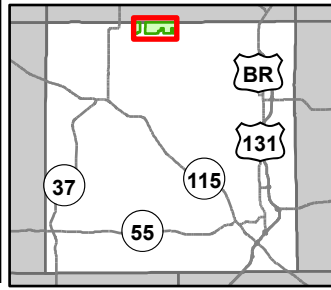


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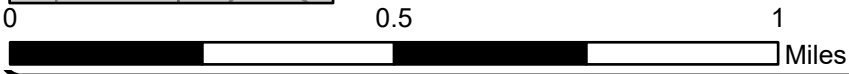
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|---|----------------------------------|-----------------------------------|---------------------------------|
| ● Survey Grade Corners | --- Private - Dirt / Gravel Road | Thinning (Crown, Low, Systematic) | 611 - Lowland Deciduous Forest |
| ⊕ Remonumented Section Corners | — Perennial River | Regeneration Survey | 612 - Lowland Coniferous Forest |
| — DNR - Primary Forest Road | Compartment Boundary | Shelter Wood (w/Reserves) | 613 - Lowland Mixed Forest |
| — DNR - Secondary Forest Road | --- Counties | 411 - Northern Hardwood | 122 - Roads/Parking Lot |
| == DNR - Forest Access Route | Other Treatment - See Comments | 413 - Aspen Types | 310 - Herbaceous Openland |
| — Federal / State / County - Paved Road | Selection (Group, Single Tree) | 419 - Mixed Upland Deciduous | 330 - Low Density Trees |
| - - - County - Gravel Road | Clearcut (w/Reserves) | 421 - Planted Pines | 622 - Lowland Shrub |
| - - - County - Dirt Road (Seasonal) | Harvest, Overstory Removal | 422 - Natural Pines | 430 - Upland Mixed Forest |
| | Seed Tree (w/Reserves) | | |



Stand Boundary Map

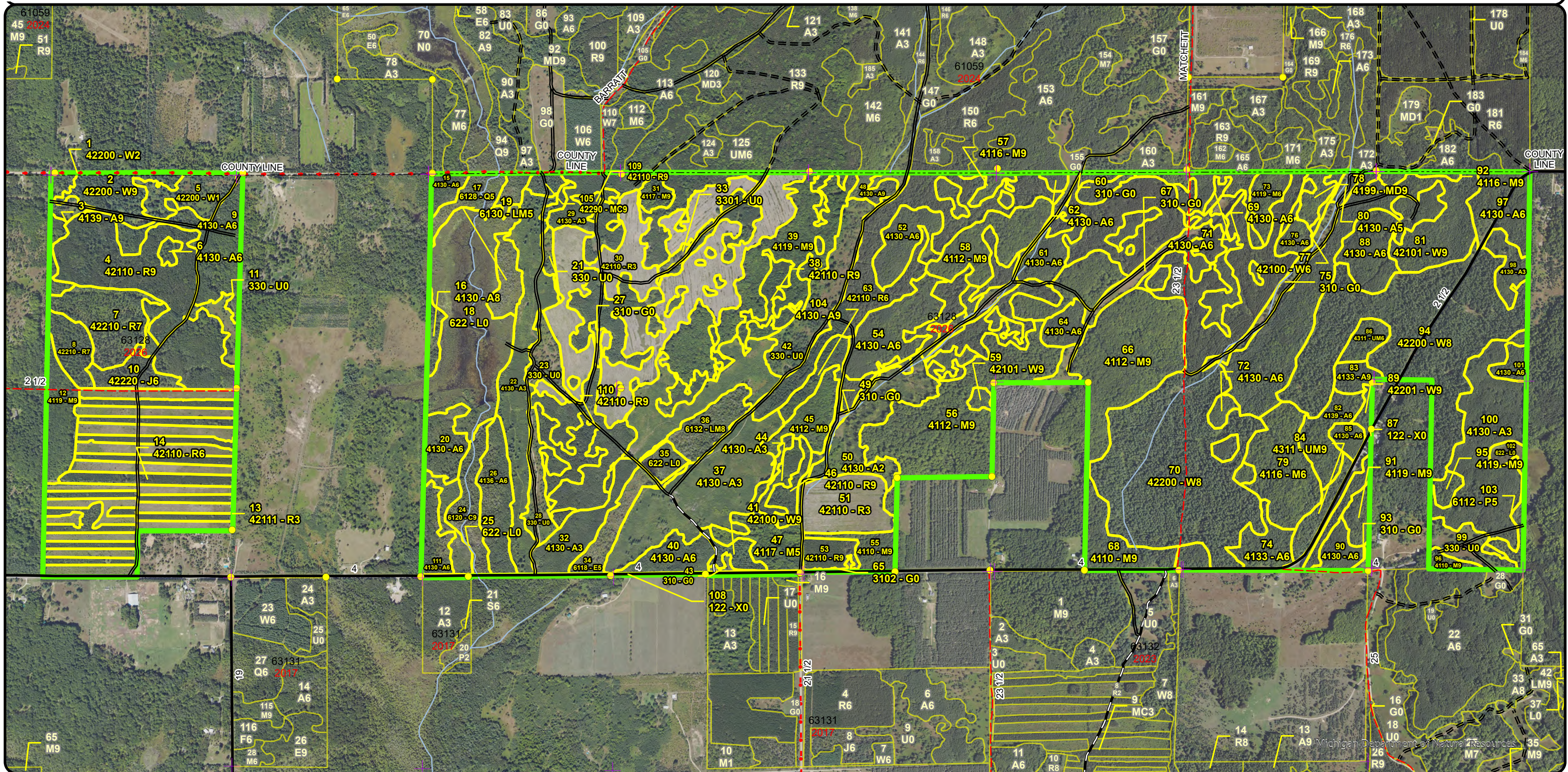


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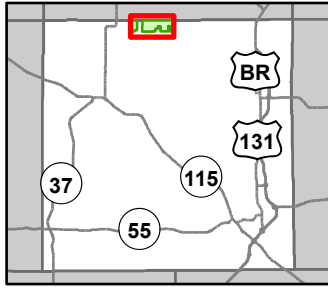
- Survey Grade Corners
- + Remonumented Section Corners
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Perennial River
- Compartment Boundary
- Counties
- Stand Boundaries

- 413 - Aspen Types
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- 421 - Planted Pines
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- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- State Forests



**Special Conservation Areas
& Site Conditions Map**

Compartment: 63128
 T24N, R11W, Sec: 1-4
 County: Wexford
 Unit: Cadillac
 Mgmt Area: Kalkaska Sandy
 Moraines
 YOE: 2026
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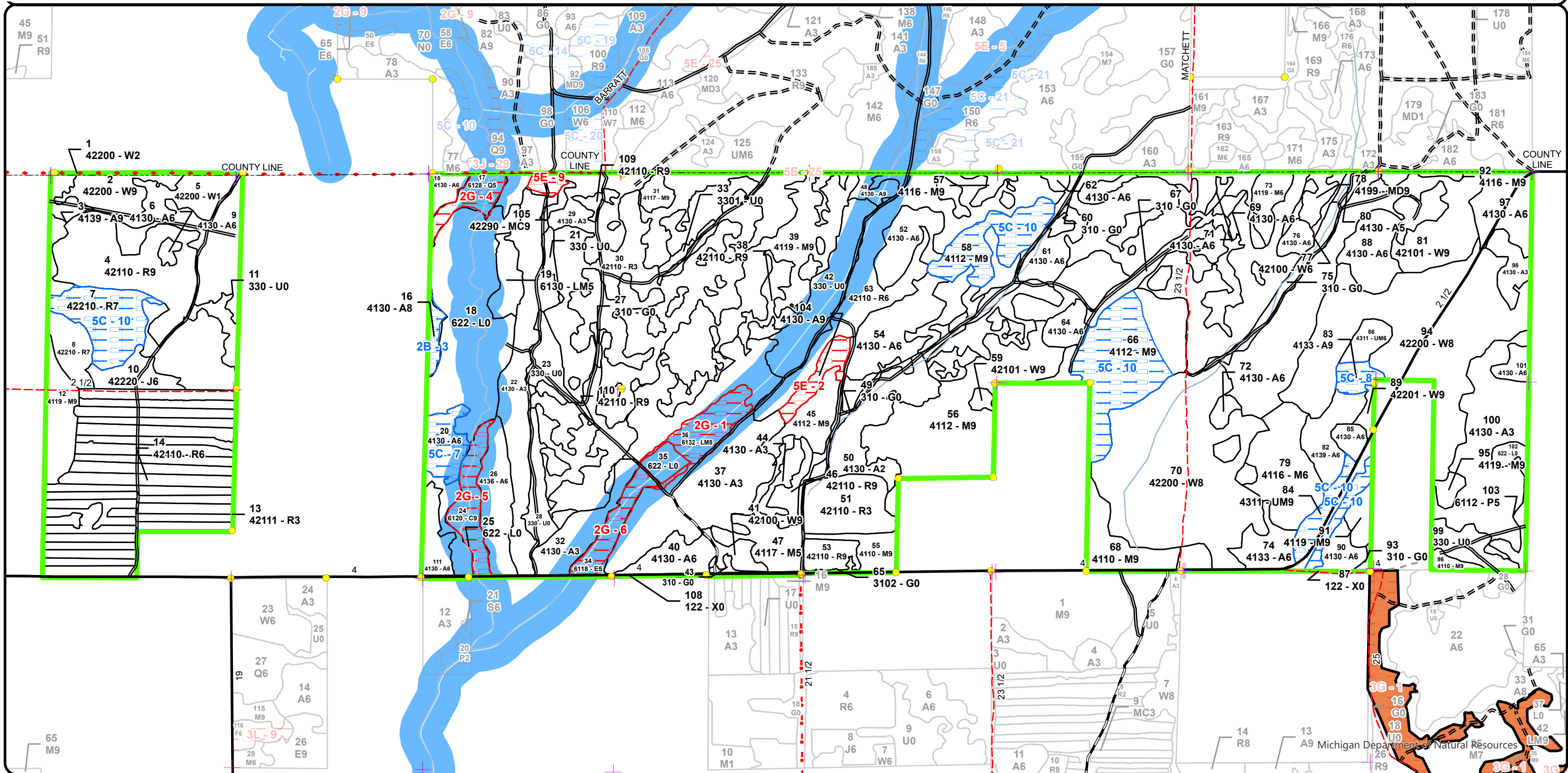
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- Survey Grade Corners
- ✚ Remonumented Section Corners
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)

- - - Private - Dirt / Gravel Road
- Perennial River
- Compartment Boundary
- Counties
- SCA
- ▨ Available w/ Constraints
- ▨ Unavailable

- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- ▨ High Priority Trout Stream Buffer
- ▨ Other Habitat Area

5C: Delay treatment for age/size class diversity or exceptional site quality



Report 1 – Total Acres by Cover Type and Age Class

Cadillac Mgt. Unit

Compartment 128 Year of Entry 2026

GraceAnna Cooper : Examiner



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	147	24	204	94	147	15	17	0	0	0	0	0	0	0	0	0	0	648
Cedar	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	14
Herbaceous Openland	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Jack Pine	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	10
Low-Density Trees	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
Lowland Deciduous	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Mixed Forest	0	0	0	0	12	0	0	0	14	0	0	0	0	0	0	0	0	0	26
Lowland Shrub	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Northern Hardwood	0	0	0	0	0	0	0	36	145	58	60	8	0	16	0	0	0	0	323
Red Pine	0	191	0	56	0	0	0	245	13	34	0	0	0	0	0	0	0	0	538
Upland Mixed Forest	0	0	0	0	0	6	0	13	0	0	0	0	0	0	0	0	0	0	19
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
White Pine	0	19	0	0	0	0	0	75	212	16	0	0	0	0	0	0	0	0	322
Total	195	357	24	260	106	174	15	386	393	108	63	31	0	16	0	0	0	0	2127



Report 2 – Treatment Summary

Cadillac Mgt. Unit

Compartment 128

Year of Entry: 2026

Acres of Harvest

Total Compartment Acres: 2,127

Commercial Harvest - 534
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversory Removal	Salvage	Other	Total Acres
Aspen	62	0	0	0	0	0	0	0	0	62
Jack Pine	0	0	0	10	0	0	0	0	0	10
Mixed Upland Deciduous	5	0	0	0	0	0	0	0	0	5
Northern Hardwood	34	90	0	0	0	0	0	0	0	124
Red Pine	0	0	0	0	18	231	9	0	0	258
White Pine	0	0	0	0	2	73	0	0	0	75
Total	101	90	0	10	20	305	9	0	0	534

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	534	0	0	0	0	0	97	0	10	640
Next Step	0	0	0	0	61	0	220	0	0	281
Total	534	0	0	0	61	0	316	0	10	921



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Treatments:

4	63128004-Cut	42.5	42110 - Planted Red Pine	Sawtimber Well	64	171- 200	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin this stand down to 80-110 basal area. Favoring Red and White pine. <u>Specs:</u> <u>Next Step</u> Burn, Understory <u>Treatments:</u> <u>Acceptable</u> red pine, white pine, oak <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
8	63128008-NF	10.4	42210 - Natural Red Pine	Sawtimber Poor	84	1-50	NonForestMgt	Other - Specify	42210 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> mulch/ masticate all of the hardwoods in the understory. Leave patches of oak or red pine regeneration. <u>Specs:</u> <u>Next Step</u> Burn, Understory <u>Treatments:</u> <u>Acceptable</u> red pine and white oak low stocking <u>Regen:</u> <u>Other</u> prepping for an understory burn to create a red pine savannah and reduce unwanted vegetation in the understory <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
9	63128009-Cut	26.9	4130 - Aspen	Poletimber Well	47	141- 170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all trees down to 2" DBH. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Red pine, white pine, Jack pine, Aspen. <u>Regen:</u> <u>Other</u> Create retention pockets where it makes sense when setting up the timber sale. leave southern portion until next YOE <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
10	63128010-Cut	9.6	42220 - Natural Jack Pine	Poletimber Well	47	81-110	Harvest	Seed Tree	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Leave tree mark quality red pine and white pine seed trees. Retain no more than 20 BA. Leave natural regen of red white and jack pine <u>Specs:</u> under 4in diameter. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> red, white, and jack pine, oaks, aspen, maple. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											



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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
12	63128012-Cut	15.5	4119 - Mixed Northern Hardwoods	Sawtimber Well	75	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Mark stand down to 70-80 BA. Favor retaining sugar maple and oaks. Cut all aspen. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable Regen:</u> maples, oaks, hemlocks, cherry. <u>Other Comment:</u> The area north of 2 1/2 Rd is heavier to aspen which will most likely result in lower BA's. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
38	63128038-Cut	18.0	42110 - Planted Red Pine	Sawtimber Well	64	111-140	Harvest	Shelterwood	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Mark to leave 30-50 basal area <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> red pine, maples, cherry, aspen. <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
39	63128039-Cut	49.8	4119 - Mixed Northern Hardwoods	Sawtimber Well	75	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin this stand down to 70ba favoring white oaks, and sugar maple and future crop trees. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> sugar maple, red maple, white pine, red pine, oaks aspen and cherry <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
46	63128046-Cut	9.0	42110 - Planted Red Pine	Sawtimber Well	62	81-110	Harvest	Overstory Removal	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all trees greater than (6" DBH). Mark to leave no more than 10 BA of red pine, white pine or oak. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable Regen:</u> Red and white pine, oaks, maples, aspen, cherry. <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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48	63128048-Cut	4.3	4130 - Aspen	Sawtimber Well	51	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut all trees 2" DBH and greater. Treatment area may extended into stand 42

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen red maple, cherry, white pine red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

53	63128053-Cut	8.2	42110 - Planted Red Pine	Sawtimber Well	64	141-170	Harvest	Low Thinning	4211 - Planted Red Pine	Two-Aged	No
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Prescription Thin this stand down to 80-100 basal area. Favoring crop trees and taking out lower quality, stressed and forked trees.

Specs:

Next Step Burn, Understory

Treatments:

Acceptable red pine, white pine, oak, aspen

Regen:

Other

Comment: Would like to conduct a prescribed burn within 2 years of thinning and have 2 burns in the 10 entry cycle to help get rid of the beech in the

Site Condition

Proposed Start Date: 10/1 /2025

55	63128055-Cut	8.3	4110 - Sugar Maple Association	Sawtimber Well	103	111-140	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin this stand down to 70-80 basal area. Create one 150-200ft gap per 2 acres.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable sugar maple, red maple, oaks, cherry, aspen,

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

59	63128059-Cut	1.9	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	63	141-170	Harvest	Shelterwood	4210 - Planted White Pine	Two-Aged	No
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Prescription Mark to leave 30-50 BA favoring pine, sugar maple and oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable red pine, white pine, red maple, sugar maple, oaks, aspen, cherry

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
63 63128063-Cut	163.3	42110 - Planted Red Pine	Poletimber Well	66	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand down to 100 BA. Leave larger aspen pockets. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> red pine, white pine, oaks, maples, and aspen <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										
66 63128066 - Harvest	28.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	74	111-140	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Green tree quality sugar maple for retention leaving 20BA. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> sugar maple, red maple, basswood, oaks, aspen and cherry. <u>Regen:</u> <u>Other</u> Could do retention islands of sugar maple if that makes more sense at the time of timber prep. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										
68 63128068-Cut	16.3	4110 - Sugar Maple Association	Sawtimber Well	120	81-110	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin this stand down to 70-80 BA favoring future development of sugar maple, oak, basswood and white pine. Create one 150-200ft gap per <u>Specs:</u> 2 acres. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> White pine, sugar maple, red maple, oak, cherry, aspen <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										
76 63128076-Cut	4.3	4130 - Aspen	Poletimber Well	45	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all trees down to 2" DBH. No retention due to small stand size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, red pine, white pine, red maple, oaks <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
77 63128077-Cut	3.4	42100 - Planted White Pine	Poletimber Well	63	111-140	Harvest	Low Thinning	429 - Mixed Upland Conifers	Two-Aged	No
<p><u>Prescription</u> Thin the stand down to around 70-80 BA favoring quality crop trees. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> White pine, red pine, cherry, aspen, maples, and oaks <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										
78 63128078-Cut	5.1	4199 - Other Mixed Upland Deciduous	Sawtimber Well	78	81-110	Harvest	Clearcut with Retention	413 - Aspen	Two-Aged	No
<p><u>Prescription</u> Harvest all trees down to 2" DBH. Mark to leave no more than 10-20 BA of sugar or red maple. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Red maple, sugar maple, aspen, red or white pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										
81 63128081-Cut	69.8	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	63	171-200	Harvest	Low Thinning	4220 - Natural White Pine	Even-Aged	No
<p><u>Prescription</u> Thin this stand to 80BA favoring white pine of good quality, red pine, and oak. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> White Pine, some natural regen of oaks, maples, aspen and various hardwoods <u>Regen:</u> <u>Other</u> Did not spec row thinning due to hard to define rows <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										
88 63128088-Cut	23.6	4130 - Aspen	Poletimber Well	47	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all trees down to 2" DBH. Island retention will be determined during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, white pine red pine <u>Regen:</u> <u>Other</u> Possibly leaving the pocket between 92 and 81 for retention, or whatever makes sense at the time. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>										



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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90	63128090-Cut	6.8	4130 - Aspen	Poletimber Well	52	111- 140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Harvest all trees down to 2" DBH. No retention due to small stand size.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, white pine, red pine, oak and maples

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

91	63128091-Cut	5.5	4119 - Mixed Northern Hardwoods	Sawtimber Well	88	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Uneven- Aged	No
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Prescription Harvest all trees down to 2" DBH. Mark to leave no more than 20 BA of oak and sugar maple.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable white pine, maples, aspen, oaks.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

109	63128109-Cut	4.4	42110 - Planted Red Pine	Sawtimber Well	68	141- 170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin to 100 BA.

Specs:

Next Step

Treatments:

Acceptable Oak, aspen, maple species

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

110	63128110-Cut	13.0	42110 - Planted Red Pine	Sawtimber Well	70	111- 140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin this stand down to 100 basal area. Green tree or spec out to save any Oaks.

Specs:

Next Step

Treatments:

Acceptable Red pine, white pine, Oak species maple.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

30	63128030-Monitor	96.5	42110 - Planted Red Pine	Sapling Well	3	Immature	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											

Total Treatment Acreage Proposed: **644.7**

Report 4 – Site Conditions

Compartment: 128
Year of Entry: 2026

Cadillac Mgt. Unit
GraceAnna Cooper : Examiner

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		2B	5C	2G	5E
649	621	20	8	Aspen	4	16	0	8
14	0	0	13	Cedar			13	
32	32	0	0	Herbaceous Openland				
10	10	0	0	Jack Pine				
68	68	0	0	Low-Density Trees				
4	4	0	0	Lowland Aspen/Balsam Poplar				
9	1	0	8	Lowland Conifers			8	
11	1	0	10	Lowland Deciduous			10	
27	12	0	14	Lowland Mixed Forest			14	
80	79	0	0	Lowland Shrub	0		0	
5	5	0	0	Mixed Upland Deciduous				
3	0	0	3	Natural Mixed Pines				3
323	264	59	0	Northern Hardwood		59		
537	514	23	0	Red Pine		23		
19	6	13	0	Upland Mixed Forest		13		
9	9	0	0	Urban			0	
322	322	0	0	White Pine		0		
2,121	1,948	116	57	Total Forested Acres	4	112	46	10
	92%	5%	3%	Relative Percent				

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-Term retention for stand 37. Was excluded with red line.							

Report 4 – Site Conditions

Cadillac Mgt. Unit

Compartment: 128

GraceAnna Cooper : Examiner

Year of Entry: 2026

3	Available	2B: Unknown if access through adjacent landowner(s) is possible	4	2D: Portable Bridge Needed (Dept. bridge will be adequate)	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified
Comments: Too small and low of volume for access work needed. Allow stand to mature and convert naturally . If stand was larger could work to get access from private. But is only about 4 acres if timber. Opening in stand as well.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Small low volume and too wet for management. Also anderson creek influence.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Too wet and close to Anderson creek.							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10		Unspecified	Unspecified	Unspecified
Comments: Not suitable for management. Small wet lowland surrounded by upland. Low volume and not worth rutting for low volume.							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit

Compartment: 128

GraceAnna Cooper : Examiner

Year of Entry: 2026

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Too small on its own. Could do on it own if it was easy to get too, but too small on its own. Cut when adjacent timber is ready.							
9	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention for stand 22. Excluded with red line.							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	96	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
1	42200 - Natural White Pine	Sapling Medium	5.0	8	Immature	N/A	was a wildlife opening that has filled in with scattered white pine, jack pine, and cherry. Old opening which is slowly filling in. All ash are dead or dying. Old OI notes note possible hardwood tree nursery in area?																																																	
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2	42200 - Natural White Pine	Sawtimber Well	16.1	86	51-80	N/A	Open grown natural white pine. Very limy and thick stand. Some hardwood scattered in as well. No evidence of being planted pine. Variable diameters and density.																																																	
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3	4139 - Aspen, Mixed Deciduous	Sawtimber Well	3.9	49	51-80	N/A	Small stand of low quality hardwood with aspen mixed in. Hardwood concentrated in the top of the hill. Slight rolling hills. Private to the west. Leave stand and let it to continue to grow into larger size classes while acting as good wildlife habitat.																																																	
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4	42110 - Planted Red Pine	Sawtimber Well	42.5	64	171-200	N/A	Pine was row thinned in 1998, with all hardwood cut as well. Stand was thinned again in 2010, orange marked. Mostly red pine although a few white pine as well as some scattered maple and cherry. Stand approaching log size overall, but not quite yet. Limited understory, although some aspen regen in pockets where stand was opened up more. Inventory 2024-- Mixed planted red and white pine log sized timber ready to thin by of 190-230 with beech white pine in the understory with pockets of aspen regen. would like to thin and see how a burn would affect the beech in the understory.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
6	4130 - Aspen	Poletimber Well	1.9	26	Immature	N/A	Stand was final harvested along with pine thinning in 1998. A few pine and sugar maple were left back in 1999. Aspen regenerated well for the most part.																																																	
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7	42210 - Natural Red Pine	Sawtimber Poor	23.2	84	1-50	N/A	red pine was thinned in 1999. Red Pine seed tree cut. Cut in 2009. Limited regen from cut so far. Scattered aspen and red maple, with a few red pine widely scattered in understory. Natural red pine regen unlikely success.																																																	
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8	42210 - Natural Red Pine	Sawtimber Poor	10.4	84	1-50	N/A	Stand was thinned in 1999, with all aspen and jack pine cut as well. Stand was thinned again in 2009. Left with a shelterwood red pine, with hardwood and a few red pine-jack pine in understory. Decent pine regen in pockets.																																																	
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9	4130 - Aspen	Poletimber Well	49.7	47	141-170	N/A	Variable aspen stand with variable diameters and density in pockets. Mostly pole but some log size clones scattered in. Stand was not cut cleanly last time, which resulted in a two aged stand of sorts. Hardwood component concentrated in northeast. Majority of stand was final harvested in 1977, with older clones scattered widely.																																																	
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10	42220 - Natural Jack Pine	Poletimber Well	9.6	47	81-110	N/A	Jack pine stand with variable size class red pine throughout. Log red pine with some natural regen in sapling and pole size. Appear a couple hard red pine were left and both red pine and jack pine recruited naturally in the understory.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
11	330 - Low-Density Trees	Nonstocked	5.6		Immature	No	Small firewood sale on standing dead ash likely just with special firewood permit.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								White Pine	High	10 - 20 feet	Sapling	
								Aspen (spp.)	Medium	10 - 20 feet	Sapling	
								Cherry (spp.)	Medium	5 - 10 feet	Sapling	
Jack Pine	Low	10 - 20 feet	Sapling									
12	4119 - Mixed Northern Hardwoods	Sawtimber Well	15.5	75	111-140	N/A	Low to medium quality hardwood approaching log size overall but not quite. North tip transitions to more aspen. East border of stand fairly sparse. Private to west.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Cherry	5	Log/Pole	10	
								Sugar Maple	63	Log/XLog	15	75
								Red Maple	11	Log/Pole	10	
								Basswood	7	Log	12	
								Bigtooth Aspen	5	Pole/Log	9	
								White Oak	9	Log/Pole	10	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Sugar Maple	Low	10 - 20 feet	Sapling	
								Hemlock	Trace	>20 feet	Pole	
								Ironwood	Low	Variable	Sapling	
								Beech	Low	Variable	Sapling	
13	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	72.4	6	Immature	N/A	11/19/2020 - Year 3 regeneration surveys are completed overall stand is at 542 TPA which is under threshold for replanting, but looking at data from contractors it appears a strip or two on west side of road have failed which skewed the data for the rest of the stand Stripes on east side of road have very little mortality along with most the strips on west side of road. Stand is free to grow a this time also. Nothing else is recommended for this stand at this time. Good quality red pine plantation was final harvested in summer 2016. Sale was chipped. Red Pine Strips with have been thinned three times, the last time occurring in 2007. Limited understory. Good quality red pine, with easy access. trenched in 2017. Planted to 875 trees per acre on 5/18/18. REGEN CHECK 1year- done in fall 2018. Limited to no competition concerns at this time. 75 to 85 percent survival rate. Some brown from dry spring some poor trench quality.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Pine	70	Sapling	1	6
								Jack Pine	10	Sapling	1	6
								White Oak	5	Sapling	1	6
								Beech	10	Sapling	1	6
								Red Oak	5	Sapling	1	6
14	42110 - Planted Red Pine	Poletimber Well	55.5	26	81-110	N/A	Jack pine strips which were final harvested in 1998 and replanted to red pine. Jack pine volunteers throughout as well as some hardwood. Overall red pine should succeed as dominant species. Some variable density in pockets. 2024- inventory jack pine seems to be the main species dying in the self thinning stage most planted red pine is doing well and out competing the natural jack pine. Look at possible chipping opportunity in the next YO					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Cherry	5	Sapling	2	
								Red Pine	60	Pole	6	26
								Red Maple	5	Sapling	3	
								Jack Pine	30	Sapling/Pole	3	26



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
15	4130 - Aspen	Poletimber Well	4.5	38	141-170	N/A	Stand was final harvested in 1986. Any Cedar was left. Regenerated well to aspen, mostly upland although some lowland character as you get closer to the lowland shrub complex. Humucky ground.																																																												
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16	4130 - Aspen	Sawtimber Medium	4.0	65	Unspecified	N/A	Small land locked piece of aspen, with small grassy opening along the private. Mostly upland although lowland character near swamp egde.																																																												
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17	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	8.8	105	81-110	N/A	Low denisty lowland conifer stand with dead and alive cedar scattered in. Significant blowdown, with Anderson Creek running though. Open pockets filling in with alder and lowland hardwood saps. Variable stand which is constantly changing from changing water levels. More lowland hardwood in west finger.																																																												
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18	622 - Lowland Shrub	Nonstocked	64.0		Immature	No	Lowland shrub complex. Some areas are fairly open, while others are thick with alder/willow. Anderson Creek flows though, with a old railroad grade also going through from east to west. Beaver activity. A few scattered aspen, but most are flooded out and dead.																																																												
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19	6130 - Fir, Aspen, Maple	Poletimber Medium	12.4	38	1-50	N/A	Stand was final harvested in 1986, with all cedar left. Very wet stand, with humocky ground. Stand gets more wet as you go farther to the west. Regenerated to a mixed lowland stand. Variable stand, with considerable blowdown and humocky ground.. Cedar has been flooded out in pockets and is compeley dead. Patchy regen in pockets with tag filling in the gaps. Water levels effected by beaver activity, this flooding has limited aspen regen in western border of stand.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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20	4130 - Aspen	Poletimber Well	11.2	38	51-80	N/A	Stand was final harvested in 1986, any cedar was left. Mostly upland although eastern border of stand has more of a lowland character. Aspen regenerated well, although beaver floodings appear to have expanded alder some. Southeast corner is where the Balsam Poplar is.
Canopy Species		% Cover	Size Class	DBH	Age		
Black Ash		2	Pole	5			
Red Maple		5	Pole/Sapling	6			
Quaking Aspen		91	Pole	6	38		
Balsam Poplar		2	Pole	6			

21	330 - Low-Density Trees	Nonstocked	2.7			No	Opening with scattered cherry and aspen.
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		High	10 - 20 feet	Sapling			
Black Cherry		Medium	>20 feet	Pole			
Red Pine		Low	10 - 20 feet	Sapling			
Black Cherry		Medium	10 - 20 feet	Sapling			
Alder		Medium	5 - 10 feet	Tall Shrub			

22	4130 - Aspen	Sapling Well	42.3	8	Immature	N/A	Stand final harvested in summer 2017, was chipped. Long narrow strip of mature aspen. Scattered balsam, red maple and white pine. Aspen beginning to show signs of age. Small one acre patch of solid white pine in the far northeastern corner.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		10	Sapling	1			
Bigtooth Aspen		70	Sapling	1	8		
Balsam Fir		7	Sapling	1			
White Pine		5	Log	13			
Black Cherry		4	Sapling	1			
White Pine		4	Sapling	1			
Sub-Canopy Species		Density	Avg. Height	Size			
Alder		Medium	5 - 10 feet	Tall Shrub			
Beech		Low	< 5 feet	Sapling			

23	330 - Low-Density Trees	Nonstocked	8.8		Immature	No	Good size opening filled in with scattered cherry and a few aspen and pine. Southeast corner is filling in with aspen.
Sub-Canopy Species		Density	Avg. Height	Size			
Black Cherry		Medium	>20 feet	Pole			
Red Pine		Medium	10 - 20 feet	Sapling			
White Pine		Medium	10 - 20 feet	Sapling			
Alder		High	5 - 10 feet	Tall Shrub			
White Oak		Low	>20 feet	Log			
Norway Spruce		Low	>20 feet	Pole			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24	6120 - Lowland Cedar	Sawtimber Well	14.0	105	81-110	N/A	Lowland cedar complex on the banks of Anderson Creek. Some of the cedar is dead, with significant blowdown in stand. Cedar concentrated in center of stand. Some of the more open areas are filling in with alder.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	Log	15	
Northern White Cedar	65	Log/Pole	10	105
Quaking Aspen	5	Pole	8	
Black Spruce	3	Pole	5	
Tamarack	5	Pole	6	
Red Maple	5	Pole/Log	9	
Paper Birch	5	Pole	5	
Balsam Fir	10	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple	Low	Variable	Sapling

25	622 - Lowland Shrub	Nonstocked	7.5			No	Lowland complex of mostly alder, although scatted sap and small pole lowland hardwood are also scattered in. Too wet to grow trees. Closer to no forested alder marsh.
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Sub-Canopy Species	Density	Avg. Height	Size
Alder	High	5 - 10 feet	Tall Shrub

26	4136 - Aspen, Mixed Conifer	Poletimber Well	18.2	38	141-170	N/A	Stand was final harvested in 1986. All cedar was left. Regenerated well back to aspen with balsam mixed in. Scattered cedar as well. Mostly upland although some lowland character near west end.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	5	38
Quaking Aspen	67	Pole	6	38
Balsam Fir	7	Pole/Sapling	6	
Northern White Cedar	6	Pole/Log	8	
Black Spruce	5	Pole/Sapling	5	
White Pine	5	Log/Pole	12	

27	310 - Herbaceous Openland	Nonstocked	1.4		Immature	No	
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Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	5 - 10 feet	Sapling
Red Pine	Low	10 - 20 feet	Sapling
Bigtooth Aspen	Medium	>20 feet	Sapling
Black Cherry	Trace	>20 feet	Sapling

28	330 - Low-Density Trees	Nonstocked	9.6		Immature	No	Opening with scattered cherry and a few pine.
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Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	10 - 20 feet	Sapling
Red Pine	Low	10 - 20 feet	Sapling
Alder	High	5 - 10 feet	Tall Shrub
White Pine	Medium	10 - 20 feet	Sapling
Black Cherry	Medium	>20 feet	Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
29	4130 - Aspen	Sapling Well	90.9	25	201+	N/A	Stand was final harvested in 1999, was completed along with the red pine thinning at that time. Scattered red pine along with a few mature hardwood were left mostly in the north. Overall aspen has come back thick. Large complex shaped stand. Many edge effect areas.																																																								
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30	42110 - Planted Red Pine	Sapling Well	96.7	3	Immature	N/A	Large former scattered red pine plantation that was final harvested in 2018 and 2019. Site was chipped and ready for planting. Will need to be sprayed to fight hardwood and aspen regen. Stand was trenched by contractors in 2020. STAND was site prep sprayed by contractor in 2021 summer by skidder.																																																								
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31	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	4.0	82	111-140	N/A	Small ridge of harwood left from aspen cut. Beech- ironwood understory. Few pine mixed in.																																																								
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33	3301 - Low Density Deciduous Trees	Nonstocked	3.6			No																																																									
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34	6118 - Lowland Deciduous with Cedar	Poletimber Medium	10.9	45	1-50	N/A	Lowland hardwood with cedar component. Very sparse stocking with very wet hummucky ground. Some pockets are open with tag alder filling in. Windthrow prevalent. Ash has EAB.																																																											
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36	6132 - Mixed Lowland Forest with Cedar	Sawtimber Medium	14.2	75	1-50	N/A	Wet overmature aspen, slowly converting to more long lived lowland species. Cedar; balsam; tag alder and lowland hardwood filling in. Lots of blowdown and hummucky ground.																																																											
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37	4130 - Aspen	Sapling Well	80.8	7	Immature	N/A	Stand was final harvested in 2018 summer. Some white pine was left. Large somewhat variable aspen stand with noteworthy hardwood compartment scattered in mostly on east end. Rolling hills with some side slopes. Mixed log/pole aspen. Small stips planted pole white pine are also scattered in southwest corner. Too scattered and small to be managed alone. Some steep terrain and side slopes in northeastern border.																																																											
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38	42110 - Planted Red Pine	Sawtimber Well	18.1	64	111-140	N/A	Small stirrips of red pine which are mixed in the middle of a ridge of low quality hardwood. Red pine is going ok in spots, while in others it is in rough shape as it has had to compete with hardwood. Stand has never been thinned and should be thinned when the hardwood surrounding is cut.																																																											
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39	4119 - Mixed Northern Hardwoods	Sawtimber Well	51.1	75	111-140	N/A	Low quality ridge of mostly stump sprout hardwoods with a minor aspen component scattered in, Mostly small pole timber although some log size stems scattered in. Isolated strips of planted red pine are also scattered in. Too small to manage on there own it appears they have never been thinned. The red pine is overtopped by hardwood is spots and doing better in others. Limited to no understory for the most part. West border of that has a steep slope relatively.																																																										
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40	4130 - Aspen	Poletimber Well	11.1	37	201+	N/A	Stand was final harvested in 1987. Regenerated well to aspen. Very small pole stand.																																																										
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41	42100 - Planted White Pine	Sawtimber Well	5.3	70	81-110	N/A	Stand was thinned with take two leave two pattern in 2018, all aspen was cut at that time too.																																																										
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42	330 - Low-Density Trees	Nonstocked	27.6		Immature	No	Large opening in valley. Mostly cherry and variable aspen clones widely scattered. One acre aspen clone in south end.																																																										
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43	310 - Herbaceous Openland	Nonstocked	1.1		Immature	No																																																											
44	4130 - Aspen	Sapling Well	5.5	23	Immature	N/A	Stand was final harvested in 2001, was part of the larger pine thinning to north. Regenerated well back to aspen. Little hardwood and conifer regen mixed in.																																																										
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45	4112 - Maple, Beech, Cherry Association	Sawtimber Well	14.0	81	81-110	N/A	Low to medium quality hardwood ridge with aspen component; mostly on south eastern border. Slightly rolling terrain.																																																							
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46	42110 - Planted Red Pine	Sawtimber Well	9.0	62	81-110	N/A	Variable oddly shaped red plantation which was thinned in 2001. Suprising amount of natural pine regen in understory in spots. Thick understory.																																																							
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47	4117 - Mixed N. Hardwood - Pine	Poletimber Medium	13.4	78	51-80	N/A	Stand was thinned heavy in 1999. Appears there were patch clearcuts in the stand? Low quality hardwood which was thinned heavily in the past. Two aged stand with large canopy gaps created from previous cut. Small pole stand overall.																																																							
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48	4130 - Aspen	Sawtimber Well	4.3	51	51-80	N/A	Small clone of aspen. Half in the valley and the other half on a steep slope. Better aspen on the slope. Some log size aspen.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
50	4130 - Aspen	Sapling Medium	24.0	8	Immature	N/A	Stand was final harvested in 2017, whole tree skidding operation. Individual aspen and maple were left as future snags and retention.
Canopy Species		% Cover	Size Class	DBH	Age		
Sugar Maple		10	Sapling	1	8		
Beech		3	Sapling	1			
Bigtooth Aspen		68	Sapling	1	8		
Red Maple		17	Sapling	1	8		
Sugar Maple		2	Log	12			
51	42110 - Planted Red Pine	Sapling Well	21.8	3	Immature	N/A	Planted white pine was clear-cut in 2018. Site was chipped and ready for planting, should be planted along with red pine stands to west. Stand was trenched by contractors in spring 2020. Site was site prep sprayed by skidder contractor in summer 2021.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Sapling	1	3		
52	4130 - Aspen	Poletimber Well	18.2	37	111-140	N/A	Stand was final harvested in 1987 with all red pine and oak left. Came back well to aspen.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		5	Pole/Sapling	5			
Bigtooth Aspen		87	Pole	6	37		
White Pine		3	Sapling/Pole	4			
Red Pine		5	Pole	8			
53	42110 - Planted Red Pine	Sawtimber Well	7.2	64	141-170	N/A	Stand was row thinned in 1998 and lightly thinned in 2010. Log-pole stand. Decent quality and height. Planted in 1960. Mark for quality leaving the best to promote bigger logs down the road. Conduct a prescribed burn 2 years after thinning to help reduce the beech in the understory. I would like to try and have it burned 2 times in the 10 year entry cycle.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Log	12	64		
Sub-Canopy Species		Density	Avg. Height	Size			
Beech		Medium	5 - 10 feet	Sapling			
54	4130 - Aspen	Poletimber Well	32.1	23	Immature	N/A	Stand was final harvested in 2001, while the pine was being thinned. Large cut, came back well to aspen and red maple. A few red pine were left scattered in stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		10	Pole/Sapling	6	23		
Red Pine		9	Log/Pole	11			
Bigtooth Aspen		75	Pole/Sapling	6	23		
Black Cherry		6	Sapling	4			
Sub-Canopy Species		Density	Avg. Height	Size			
Red Pine		Low	5 - 10 feet	Sapling			
Beech		Low	5 - 10 feet	Sapling			
55	4110 - Sugar Maple Association	Sawtimber Well	8.3	103	111-140	N/A	Stand was marked thinning in 1986 and again in 1999. Decent to good quality hardwood stand. Old overgrown railway grade in north border.
Canopy Species		% Cover	Size Class	DBH	Age		
Basswood		4	Log	16			
Red Oak		4	Log	16			
Black Cherry		7	Log/Pole	10			
Sugar Maple		85	Log	14	103		
Sub-Canopy Species		Density	Avg. Height	Size			
Ironwood		Low	Variable	Sapling			
Beech		Medium	5 - 10 feet	Sapling			
Sugar Maple		Low	10 - 20 feet	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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56	4112 - Maple, Beech, Cherry Association	Sawtimber Well	59.8	95	51-80	N/A	Middle to lower end hardwood stand with significant mature and over mature aspen scattered throughout. Some areas are strictly hardwood while other are heavier to aspen. Stand was last cut in 1966, at which time all the aspen was cut and the hardwood was left. STAND was thinned again in 2017, all aspen was cut at this time as well. (Whole Tree Skidding operation).				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Basswood		3	Log/Pole	11		Beech		High	5 - 10 feet	Sapling	
Red Pine		5	Pole/Log	9		Ironwood		Medium	Variable	Sapling	
Red Maple		25	Log/Pole	12		Red Maple		Medium	Variable	Sapling	
Beech		2	Log/Pole	12							
Sugar Maple		65	Log	13	95						

57	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	3.3	82	81-110	N/A	Small sliver of mature hardwood with some white pine/ aspen component which has been missed over the years. Stand is so small, not manageable on its own. Aspen will fall out of stand soon.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		30	Log	13		Ironwood		Low	Variable	Sapling	
Red Maple		30	Log/Pole	13	82	Beech		Medium	5 - 10 feet	Sapling	
White Pine		15	Log	14		White Pine		Medium	Variable	Sapling	
Bigtooth Aspen		25	Log/Pole	11							

58	4112 - Maple, Beech, Cherry Association	Sawtimber Well	22.3	85	111-140	N/A	Ridge of red maple dominant hardwood with aspen component. Many stump sprout origin maple. A few red pine and white pine scattered in north.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		10	Pole/Log	9		White Pine		Medium	< 5 feet	Sapling	
Red Pine		5	Pole/Log	8		Beech		Medium	Variable	Sapling	
White Pine		5	Pole	7		Red Maple		Low	Variable	Sapling	
Sugar Maple		15	Log/Pole	10							
Beech		9	Log/Pole	11							
Red Maple		51	Log/Pole	12	85						
Black Cherry		5	Pole/Log	8							

59	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	1.9	63	141-170	N/A	Small island of pole size planted white pine. Overtopped by aspen and a few maple in spots. Stand has not been thinned. log 13 and pole 9. 170 ba will start self thinning soon.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		20	Log	14		Beech		Low	5 - 10 feet	Sapling	
Bigtooth Aspen		10	Pole	7							

60	310 - Herbaceous Openland	Nonstocked	6.4			No	
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Low	10 - 20 feet	Sapling			
Red Maple		High	10 - 20 feet	Sapling			
Bigtooth Aspen		High	10 - 20 feet	Sapling			
Beech		Low	5 - 10 feet	Sapling			
Red Pine		Medium	5 - 10 feet	Sapling			
Black Cherry		Medium	10 - 20 feet	Sapling			



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61	4130 - Aspen	Poletimber Well	10.6	37	141-170	N/A	Stand was final harvested in 1987 with all red pine and oak left. Aspen regenerated well. A few white pine mixed in. Barley a pole stand almost still sap.																																													
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62	4130 - Aspen	Poletimber Well	1.8	37	111-140	N/A	Small sale, final harvested in 1987. Aspen regenerated well. Slight hill.																																													
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63	42110 - Planted Red Pine	Poletimber Well	163.3	66	171-200	N/A	Large red pine plantation, widely scattered. Stand was first thinned in 2001. Considerable variety with some portions of the stand having significant aspen understory where it was mixed in pre 2001 cut, with other almost having no understory where the plantation is of higher density and no aspen was present. While much of the stand is of good pine stocking, it does have its more open aspen regen pockets scattered within. Stand is broken up considerable in spots. Many isolated fingers.																																													
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64	4130 - Aspen	Poletimber Well	6.9	37	111-140	N/A	Stand was final harvested in 1987. Came back nice to aspen. Rolling hill. Small strips of planted pole red pine were left.																																													
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65	3102 - Grass	Nonstocked	1.0	0	Unspecified	4211 - Planted Red Pine	This is an opening inside of a red pine stand. This stand will most likely be used as a logging deck and will be replanted when stand 53 is clear cut and replanted.																																													
66	4112 - Maple, Beech, Cherry Association	Sawtimber Well	65.4	74	111-140	N/A	Ridge of lower quality hardwood. Mostly stump sprout maple. All aspen was harvested from portion of stand in 1986. Aspen did not regenerate follow this cut. One clone of mature aspen in sotheastern corner. More red maple then sugar maple, not a very high end site.																																													
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68	4110 - Sugar Maple Association	Sawtimber Well	16.3	120	81-110	N/A	Two aged higher end hardwood with nice log white pine component. Large scattered Xlog maple with a second age class pole-small log maple. Some sugar maple in understory. Old narrow railway in north end. Fairly low BA.																																							
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69	4130 - Aspen	Poletimber Well	24.0	23	111-140	N/A	Stand was final harvested in 2001, while the pine was being thinned. Aspen came back well. A few pine a seeded in natural around the edges. Very irregular shape. A handful of mature red pine are also scattered in the overstory.																																							
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70	42200 - Natural White Pine	Sawtimber Medium	101.2	75	81-110	N/A	Stand was thinned in 2007, with all aspen and red maple cut as well. Currently variable white pine overstory with thick understory of aspen, and mixed hardwood. White pine at variable pole log mix. Appears to be a multi aged natural pine stand.																																							
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71	4130 - Aspen	Poletimber Well	10.2	46	111-140	N/A	Small pole aspen with a few red pine scattered in from adjacent plantation.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
72	4130 - Aspen	Poletimber Well	6.6	45	81-110	N/A	Final harvested in 1979. Three separate chunks, some white pine has mixed in along the edges.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Pole	6		Ironwood	Medium	Variable	Sapling
White Pine		5	Pole	6		White Pine	Low	Variable	Sapling
Bigtooth Aspen		90	Pole	5	45	Red Maple	Low	Variable	Sapling
73	4119 - Mixed Northern Hardwoods	Poletimber Well	7.8	65	81-110	N/A	Small immature small pole hardwood with aspen component on east border. Red pine from adjacent plantation are also scattered throughout		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		60	Pole/Log	8	65	Ironwood	High	Variable	Sapling
Red Pine		15	Log/Pole	10					
Bigtooth Aspen		15	Pole	8					
Red Maple		10	Pole/Log	8					
74	4133 - Aspen, Mixed Pine	Poletimber Well	14.1	45	81-110	N/A	Mostly pole aspen with super canopy of mature log white pine. some legacy pine! Thick hardwood understory under the aspen. Some slightly older aspen clones in western end but mostly small pole aspen and hardwood. Some mature hardwood widely scattered.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		5	Pole	8		Ironwood	High	10 - 20 feet	Sapling
Sugar Maple		5	Log/Pole	16		Red Maple	Medium	Variable	Sapling
White Pine		27	XLog/Log	19		Sugar Maple	Low	Variable	Sapling
Red Maple		9	Pole	5					
Ironwood		8	Pole	6					
Bigtooth Aspen		46	Pole	6	45				
75	310 - Herbaceous Openland	Nonstocked	9.0			No			
Sub-Canopy Species		Density	Avg. Height	Size					
Bigtooth Aspen		Medium	10 - 20 feet	Sapling					
Cherry (spp.)		Medium	>20 feet	Sapling					
White Pine		Medium	5 - 10 feet	Sapling					
76	4130 - Aspen	Poletimber Well	4.3	45	81-110	N/A	Small pole aspen, on side slope. Stand was final harvested back in 1979.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		3	Pole	8		Ironwood	Low	Variable	Sapling
Bigtooth Aspen		92	Pole	6	45	White Pine	Medium	5 - 10 feet	Sapling
Red Maple		5	Pole	6		Beech	Low	5 - 10 feet	Sapling
						Black Cherry	Low	Variable	Sapling
77	42100 - Planted White Pine	Poletimber Well	3.4	63	111-140	N/A	Two separated stips of planted white pine. Some aspen and maple mixed in on the edges.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		2	Pole	8		Beech	Low	< 5 feet	Sapling
White Pine		92	Pole/Log	8	63				
Black Cherry		3	Pole/Log	8					
Red Pine		3	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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78	4199 - Other Mixed Upland Deciduous	Sawtimber Well	5.1	78	81-110	N/A	Mix of hardwood, aspen and planted white pine along the edges. White pine is over topped in spots. Stand is on side of ridge. Hardwood is mostly red maple with log aspen throughout.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	15	Pole	5		Beech	Low	Variable	Sapling
Red Maple	40	Log/Pole	10	78	White Pine	Low	Variable	Sapling
Bigtooth Aspen	37	Log/Pole	11					
Black Cherry	3	Pole	5					
Sugar Maple	5	Log/Pole	11					

79	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	27.9	68	51-80	N/A	Ridge of young pole lower end hardwood, with some aspen and white pine mixed in. Hardwood concentrated on ridge top. Two aged with pockets of slightly older hardwood although a young pole stand overall. Stand has some years before it will be a mature stand. Variable stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole	7	68	Ironwood	Medium	Variable	Sapling
White Pine	10	Pole/Log	8					
Bigtooth Aspen	20	Pole	5					
Red Maple	20	Pole	6					
Basswood	5	Pole	6					
Red Oak	5	Pole/Log	8					

80	4130 - Aspen	Poletimber Medium	2.4	38	81-110	N/A	Small stand of aspen, with a opening in the north.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	100	Pole	7	38	White Pine	Medium	5 - 10 feet	Sapling

81	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	69.8	63	171-200	N/A	Large stand of planted white pine. Mix of aspen and some hardwood scattered in. Some pockets are pure pine, while in others pine has been overtopped. Very dense planting which is beginning to thin itself. Stand has not been treated since pine was planted. Rows are very difficult to follow. Rolling ridge topography.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	4	Log	12		Beech	High	Variable	Sapling
Black Cherry	2	Log	10		Red Maple	Medium	5 - 10 feet	Sapling
Red Pine	5	Pole/Log	9					
Bigtooth Aspen	20	Log	10					
Red Maple	4	Log	10					

82	4139 - Aspen, Mixed Deciduous	Poletimber Well	13.5	45	51-80	N/A	Small pole aspen complex with heavy mix of small pole hardwood and white pine. Variable stand with slightly rolling hills.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	6		Beech	Low	Variable	Sapling
White Pine	15	Pole	6		White Pine	Low	< 5 feet	Sapling
Sugar Maple	5	Pole/Sapling	5		Ironwood	Low	10 - 20 feet	Sapling
Ironwood	5	Pole/Sapling	5					
Red Oak	5	Log	15					
Black Cherry	5	Pole	5					
Bigtooth Aspen	50	Pole	5	45				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
83	4133 - Aspen, Mixed Pine	Sawtimber Well	5.2	65	81-110	N/A	Small clone of log aspen with white pine component in understory and some of the overstory.																																													
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84	4311 - Pine, Aspen Mix	Sawtimber Well	13.1	63	81-110	N/A	Relative even mix of aspen and natural white pine. A few scattered oak and hardwood as well. In valley and split by road.																																													
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85	4130 - Aspen	Poletimber Well	4.1	45	Unspecified	N/A	Final harvested in 1979. Regenerated well to aspen. Stand sits on small hill.																																													
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86	4311 - Pine, Aspen Mix	Poletimber Well	6.1	48	51-80	N/A	Aspen, white pine pole mix. On small ridge. Mixed stand which is fairly isolated as a result of large cut surrounding.																																													
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87	122 - Road/Parking Lot	Nonstocked	4.6			No																																														
88	4130 - Aspen	Poletimber Well	23.6	47	111-140	N/A	Final harvested in 1977. Came back well to aspen. Small mix of white pine and red maple.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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89 42201 - Natural White Pine, Mixed Deciduous Sawtimber Well 2.5 78 81-110 N/A Small Natural white pine stand with mix of aspen and maple. Borders private and portion of stand is on side hill.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	2	Pole	6	
Red Maple	15	Log/Pole	11	
White Pine	60	Log/Pole	12	78
Bigtooth Aspen	18	Log/Pole	11	
Sugar Maple	5	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
Beech	Medium	5 - 10 feet	Sapling
White Pine	Medium	Variable	Sapling

90 4130 - Aspen Poletimber Well 6.8 52 111-140 N/A Final Harvesed in 1972. Regenerated well to aspen. Stand is fairly steep on either end.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	88	Pole/Log	9	52
Red Maple	5	Pole	7	
Black Cherry	2	Pole	5	
White Pine	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	10 - 20 feet	Sapling
Ironwood	Medium	>20 feet	Sapling

91 4119 - Mixed Northern Hardwoods Sawtimber Well 5.5 88 81-110 N/A Small hardwood stand with oak component. Difficult access with steep hills to get to stand. Stand is mostly on top of ridge. Private to east.

Canopy Species	% Cover	Size Class	DBH	Age
Beech	10	Log/Pole	12	
Basswood	10	Log/Pole	11	
Sugar Maple	35	Log	14	88
Black Cherry	5	Pole/Log	8	
Red Maple	20	Log/Pole	10	
Bigtooth Aspen	5	Pole	8	
Red Oak	15	Log/XLog	17	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	Variable	Sapling
Ironwood	Medium	Variable	Sapling
Red Maple	Medium	Variable	Sapling

92 4116 - Mixed N. Hardwood - Aspen Sawtimber Well 2.7 81 81-110 N/A Small isolated sliver of hardwood with aspen component. On top of ridge.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/Pole	12	
Beech	10	Pole	8	
White Pine	3	Log	11	
Bigtooth Aspen	25	Log	12	
Sugar Maple	52	Log/Pole	11	81

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
White Pine	Medium	Variable	Sapling
Ironwood	Medium	Variable	Sapling

93 310 - Herbaceous Openland Nonstocked 0.9 Immature Managed Opening aspen over story from stand 90 with white pine understory.

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	Variable	Sapling
Aspen (spp.)	Medium	Variable	Sapling
Cherry (spp.)	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
94	42200 - Natural White Pine	Sawtimber Medium	103.0	75	51-80	N/A	Large natural white pine stand, which has a variety in diameter and age throughout the overstory. Stand was thinned in 2007, with all aspen and red maple cut as well. Currently variable white pine overstory with aspen and mixed hardwood filling in the the understory. Legacy white pine scattered in stand as well. Overstory BA varies greatly as well, some areas are very open, with others still having significant white pine left.																																																				
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96	4110 - Sugar Maple Association	Sawtimber Well	2.8	86	81-110	N/A	Stand was marked thinning in 1998. Small stand of medium quality hardwood. Private on southern and west end. Stand on a good slope.																																																				
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97	4130 - Aspen	Poletimber Well	17.2	47	81-110	N/A	Final Harvested in 1977. Aspen regenerated well with some white pine mixed in mostly by the road. Road divides stand.																																																				
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98	4130 - Aspen	Sapling Well	7.9	17	Immature	N/A	Stand was final harvested in 2007, with exception of green islands left as visual buffer by road. Aspen came back well, with a few scattered white pine left as retention.																																																				
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99	330 - Low-Density Trees	Nonstocked	10.0			No	Opening with a few scattered white pine and cherry. Aspen saplings encroaching a little in north.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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100 4130 - Aspen Sapling Well 50.0 26 Immature N/A Stand was final harvested in 1998. All oak was left. Aspen regenerated well with a few scattered log and pole oak left from 1998 cut. Oak are concentrated in the middle of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	88	Sapling/Pole	4	26
Hemlock	2	Pole	8	
Black Cherry	2	Sapling	3	
Red Oak	8	Log/Pole	11	

101 4130 - Aspen Poletimber Well 4.3 52 81-110 N/A Aspen pole-small log stand with mixed white pine component. Some hardwood scattered in far east border. Isolated from previous cut.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole/Log	8	
White Pine	15	Log/Pole	12	
Bigtooth Aspen	70	Pole/Log	8	52

102 622 - Lowland Shrub Nonstocked 3.4 No Leather leaf with a couple white pine in the middle.

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Log

103 6112 - Lowland Aspen Poletimber Medium 4.1 72 51-80 N/A Small buffer of mature aspen left along private from sale back in 1998. Mostly lowland with mature aspen above mostly red maple understory. Few cedar and hemlock mixed in. Variable stand. Small tag alder inclusion in north part of stand too small to map.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	3	Pole	7	
Red Maple	8	Pole/Log	9	
Quaking Aspen	75	Pole/Log	8	72
Hemlock	4	Pole	7	
Northern White Cedar	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Low	Variable	Sapling
Red Maple	Medium	Variable	Sapling
White Pine	Low	Variable	Sapling

104 4130 - Aspen Sawtimber Well 7.5 64 51-80 N/A RETENTION FOR STAND 37

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/Pole	10	
Sugar Maple	4	Log/Pole	12	
Bigtooth Aspen	74	Log	11	64
Balsam Fir	2	Pole	6	
White Pine	5	Log	12	
Black Cherry	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Beech	Low	< 5 feet	Sapling
Red Maple	Medium	Variable	Sapling
Ironwood	Medium	Variable	Sapling

Large somewhat variable aspen stand with noteworthy hardwood compartment scattered in mostly on east end. Rolling hills with some side slopes. Mixed log/pole aspen. Small stips planted pole white pine are also scattered in southwest corner. Too scattered and small to be managed alone. Some steep terrain and side slopes in northeastern border.

2024- if we can clear cut with stand 63 green tree sugar maple, white pine and red maple 50ba heavy slope otherwise wait till next YOE and cut with 45



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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105 42290 - Natural Mixed Pine Sawtimber Well 3.2 95 141-170 N/A Retention from 2017 cut to south (stand 22).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	10	Log/Pole	12	64	Beech	High	10 - 20 feet	Sapling
Black Cherry	3	Pole/Log	8					
White Pine	49	Log/XLog	17	95				
Red Pine	30	Log	10					
Balsam Fir	3	Pole	7					
Red Maple	5	Log	12					

108 122 - Road/Parking Lot Nonstocked 4.4 0 No 4 road

109 42110 - Planted Red Pine Sawtimber Well 4.4 68 141-170 N/A This stand was left out of the red pine clear cutting to the south in 2017.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	90	Log	12	68
Bigtooth Aspen	10	Pole/Sapling	6	

110 42110 - Planted Red Pine Sawtimber Well 13.0 70 111-140 N/A Was part of plantation to north that was restarted in 2019.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100	Log	12	70	Beech	High	10 - 20 feet	Sapling
					Balsam Poplar	Low	5 - 10 feet	Sapling

Highly scattered red pine plantation which was row thinned in 1999. Row thinning(every third row) which was marked as a result of row variability. Any aspen was cut at this time where present. Plantation is broken up in a few spots but fairly well stocked overall. Edge effect with aspen filling in all around plantation. A few aspen regen pockets in plantation where aspen was before. Variable understory, with limited understory in spots, with thick hardwood and aspen regen in others.

111 4130 - Aspen Poletimber Well 9.2 38 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	6	
Quaking Aspen	86	Pole/Log	8	38
Balsam Poplar	2	Pole	5	
Black Ash	2	Pole	5	
White Pine	5	Pole/Sapling	5	

Stand was final harvested in 1986, any cedar was left. Mostly upland although eastern border of stand has more of a lowland character. Aspen regenerated well, although beaver floodings appear to have expanded alder some. Southeast corner is where the Balsam Poplar is.